

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	15	screw same driver same medical same simulation	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/21 12:26
L2	52	(screw same driver) (medical same simulation)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/21 12:27
L3	24	screw same (medical same simulation)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/21 12:30
L4	123	(screw same bone) (surgery same simulat\$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/21 12:33
L5	4	(screw same bone same driver) (surgery same simulat\$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/21 12:33
S1	2	US "20050223327" A1	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/14 11:17
S2	7512	cunningham.inv.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/14 11:17
S3	93567	medical near3 device	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/14 11:18
S4	62	S2 S3	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/21 12:25

## EAST Search History

S5	1540	haptic near3 feedback	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/14 11:18
S6	13	S4 S5	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/14 11:23
S7	4	"7205981"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/14 11:28
S8	53	("4599070" or "4581491" or "4513235" or "4484191" or "4464117" or "4333070" or "4262549" or "4236325" or "4160508" or "4127752" or "3911416" or "3903614" or "3902687" or "3623064" or "3517446" or "3497668" or "3220121" or "3157853" or "2972140").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/14 11:35
S9	91	("3226846" "4439162" "4750487" "4789340" "4907973" "5113872" "5149270" "5217003" "5290276" "5295694" "5403191" "5417210" "5480307" "5518406" "5609485" "5623582" "5629594" "5667517" "5691898" "5701140" "5704791" "5720742" "5766076" "5767839" "5769640" "5800179" "5821920" "5828197" "5873732" "5937790" "6036495" "6037927" "6038488" "6057828" "6106301" "6113395" "6126450" "6193653" "6375471" "6377011" "6437771" "6965370" "7056123" "7091950").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 11:42
S10	14	("20010016804" "20030006892" "20030036714" "20030076298" "20030130674" "20040009459" "20040106916").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 13:24

## EAST Search History

S11	94961	S3 S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 13:24
S12	17948	penetrat\$4 with compres\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 13:25
S13	15126	simulat\$5 same virtual	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 13:25
S14	52562	penetrat\$4 same compres\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 13:25
S15	160607	S11 S13 S14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 13:25
S16	14	S11 S13 S14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/14 13:28
S17	13678	compress\$4 with beads	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/14 13:29

## EAST Search History

S18	1	S5 S17	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/14 13:28
S19	354800	compress\$4 with (beads or ball or material or blob or bubble)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/14 13:30
S20	978678	(compress\$4 or flex\$4 or squeez\$4 or bend\$4) with (beads or ball or material or blob or bubble)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/14 13:31
S21	281	S5 S20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/14 13:31
S22	64	S3 S21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/14 13:31
S23	2	"20010016804"	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/14 14:20
S24	1	"09738424"	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/14 14:20
S25	27	"6106301"	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/14 14:38

## EAST Search History

S26	4	"7205981"	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/14 14:38
S27	63	("20020054060"   "2972140"   "3157853"   "3220121"   "3497668"   "3517446"   "3612377"   "3623064"   "3872952"   "3902687"   "3903614"   "3911416"   "4127752"   "4160508"   "4236325"   "4262549"   "4333070"   "4464117"   "4484191"   "4513235"   "4581491"   "4599070"   "4708656"   "4713007"   "4794392"   "4885565"   "4891764"   "4930770"   "4934694"   "5019761"   "5022384"   "5022407"   "5035242"   "5038089"   "5078152"   "5165897"   "5175459"   "5186695"   "5212473"   "5240417"   "5271290"   "5275174"   "5283970"   "5299810"   "5309140"   "5334027"   "5436622"   "5437607"   "5466213"   "5547382"   "5575761"   "5690582"   "5766016"   "5785630"   "6111577"   "6129507"   "6160489"   "6422941").PN. OR ("7205981"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/01/14 16:00
S28	916106	(compress\$4 or press\$4) same (layer or beads)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/14 16:01
S29	96	S5 S28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/14 20:01
S30	358	non\$1invas\$4 same (virtual or simulation)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/14 16:26

## EAST Search History

S31	102	bone S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/14 16:27
S32	3	S30 S31	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/14 16:26
S33	916106	(compress\$4 or press\$4) same (layer or beads)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/14 20:01
S34	358	non\$1invas\$4 same (virtual or simulation)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/14 20:01
S35	34	S33 S34	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/14 20:02
S36	1540	haptic near3 feedback	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/14 20:02
S37	6	S34 S36	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/14 20:02

## EAST Search History

S38	63	("20020054060"   "2972140"   "3157853"   "3220121"   "3497668"   "3517446"   "3612377"   "3623064"   "3872952"   "3902687"   "3903614"   "3911416"   "4127752"   "4160508"   "4236325"   "4262549"   "4333070"   "4464117"   "4484191"   "4513235"   "4581491"   "4599070"   "4708656"   "4713007"   "4794392"   "4885565"   "4891764"   "4930770"   "4934694"   "5019761"   "5022384"   "5022407"   "5035242"   "5038089"   "5078152"   "5165897"   "5175459"   "5186695"   "5212473"   "5240417"   "5271290"   "5275174"   "5283970"   "5299810"   "5309140"   "5334027"   "5436622"   "5437607"   "5466213"   "5547382"   "5575761"   "5690582"   "5766016"   "5785630"   "6111577"   "6129507"   "6160489"   "6422941").PN. OR ("7205981"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/01/15 11:17
S39	11	("3226846").URPN.	USPAT	AND	ON	2008/01/15 11:27
S40	4	"6965370"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/15 11:28

## EAST Search History

S41	66	("20010016804"   "20040049219"   "2972140"   "3157853"   "3220121"   "3497668"   "3517446"   "3623064"   "3902687"   "3903614"   "3911416"   "4127752"   "4160508"   "4236325"   "4262549"   "4333070"   "4464117"   "4484191"   "4513235"   "4581491"   "4599070"   "4708656"   "4713007"   "4794392"   "4885565"   "4891764"   "4930770"   "4934694"   "5019761"   "5022384"   "5022407"   "5035242"   "5038089"   "5078152"   "5165897"   "5175459"   "5186695"   "5212473"   "5240417"   "5271290"   "5275174"   "5283970"   "5299810"   "5309140"   "5334027"   "5436622"   "5437607"   "5466213"   "5547382"   "5575761"   "5690582"   "5704791"   "5766016"   "5785630"   "5800177"   "5800178"   "5882206"   "6111577"   "6160489"   "6422941"   "6486872").PN. OR ("6965370").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/01/15 11:32
S42	207	bone same surgery same simulat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/15 11:36
S43	1541	haptic near3 feedback	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/15 12:09
S44	2	S42 S43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/15 11:36
S45	1736	surgery same simulat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/15 12:10



## EAST Search History

S46	105	S43 S45	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/15 11:36
S47	32	bone S46	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/15 11:36
S48	4708	simulat\$4 same penetrat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/15 11:39
S49	72	S43 S48	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/15 11:53
S50	2	manipulandum same haptic same compress\$4 same sensor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/15 11:53
S51	2	manipulandum same haptic same compress\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/15 11:53
S52	15614	compress\$4 same bone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/15 11:54

## EAST Search History

S53	48	haptic S52	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/15 11:54
S54	1166	pedicle with vertebrae	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/15 12:04
S55	1	S43 S54	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/15 12:04
S56	13172	feedback same compress\$4	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/15 12:04
S57	29821	bone same (penetrat\$4 or screw)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/15 12:05
S58	115	S56 S57	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/15 12:05
S59	34	(simulat\$4 or practice) S58	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/15 12:07
S60	3893	345/156.ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/15 12:08
S61	1727	600/587.ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/15 12:08

## EAST Search History

S62	145	715/701.ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/15 12:08
S63	504	703/7.ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/15 12:08
S64	1783	606/1.ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/15 12:08
S65	7981	S60 or S61 or S62 or S63 or S64	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/15 12:09
S66	24053	(haptic\$4 or tactile or mechanical or pressur\$5) near3 feedback	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/15 12:17
S67	843	S65 S66	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/15 12:09
S68	23384	surg\$5 same (simulat\$4 OR practice)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/15 12:21
S69	134	S67 S68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/15 12:10
S70	23	bone S69	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/15 12:10

## EAST Search History

S71	30696	(haptic\$4 or tactile or mechanical or pressur\$5 or force) near3 feedback	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/15 12:18
S72	193772	penetrat\$4 compress\$5	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/15 12:18
S73	15429	penetrat\$4 compress\$5 bone	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/15 12:30
S74	407	S71 S73	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/15 12:18
S75	19	S65 S74	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/15 12:18
S76	54	S68 S74	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/15 12:21
S77	18459	penetrat\$4 compress\$5 (bone or spine or spinal)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/15 12:31
S78	484	S66 S77	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/15 12:31
S79	621	simulat\$4 same bone same structure	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/15 12:32

## EAST Search History

S80	23	S71 S79	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/15 12:32
S81	2	"10091742"	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/16 09:58
S82	3	"10091742"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/16 09:59
S83	2	US "20020168618" A1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/01/16 09:59
S84	1544	haptic near3 feedback	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/18 16:01
S85	51	vacuum S84	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/18 16:00
S86	93772	medical near3 device	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/18 15:58
S87	26	S85 S86	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/18 15:58
S88	13	vacuum S84 bone	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/18 16:00

## EAST Search History

S89	5	vacuum same S84	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/18 16:02
S90	14793	(pressure or haptic or resistive) near3 feedback	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/18 16:01
S91	476	vacuum same S90	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/18 16:07
S92	14	bone S91	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/18 16:02
S93	4	(vacuum near3 source)same S84	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/18 16:08
S94	52	(vacuum near3 source)same S90	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/18 16:08

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	15	screw same driver same medical same simulation	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/21 12:26
L2	52	(screw same driver) (medical same simulation)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/21 12:27
L3	24	screw same (medical same simulation)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/21 12:30
L4	123	(screw same bone) (surgery same simulat\$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/21 12:33
L5	4	(screw same bone same driver) (surgery same simulat\$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/21 13:11
L6	7518	cunningham.inv.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/21 13:11
L7	63	(medical near3 device) 6	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/21 13:11
L8	12	((manipulandum or manipul\$4) device interface actuator sensor position compres\$4).clm.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/21 13:13
L9	1	7 8	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/21 13:12

## EAST Search History

L10	2	((manipulandum or manipulat\$4) device interface actuator sensor position compres\$4 haptic feedback).clm.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	AND	ON	2008/01/21 13:13
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